RINCON RESEARCH CORPORATE CAPABILITIES STATEMENT

Rincon Research Corporation (RRC) is an acknowledged national leader in innovating, developing, and fielding advanced digital signal processing (DSP) systems and technologies focused on national security programs. RRC delivers advanced target tracking solutions, conducts multi-INT research, develops and implements data architectures, and develops and deploys algorithms, applications, and systems in support of the U.S. Government agencies. Our expertise includes:

- **Artificial Intelligence/Machine Learning** – RRC researches and develops innovative AI/ML techniques and algorithms. We have prior successes with class discovery, compressive sensing neural networks (NN), and network co-training and loss function optimization and specific experience with AI/ML for imagery, video, LiDAR, electronic warfare, and RF data.

- **Signals Collection, Analysis, and Processing** – RRC researches and develops advanced signal processing algorithms, builds high-performance software-defined radios (SDRs), performs general-purpose signals analyses, and prototypes a range of mission-critical systems to support our customer's signals technology initiatives.

- **DSP Systems Development** – RRC has a reputation for developing new and innovative approaches for state-of-the-art geolocation and signals intelligence systems. Our systems have been deployed around the world by the U.S. Government in sea-, air-, and land-based applications.

- **DSP Infrastructure Development** – RRC created the open source MIDAS software infrastructure of reusable signal processing components that is widely used throughout the IC today.

Our staff brings diverse strengths from the academic, private, and Government sectors to address the most difficult SIGINT challenges for our U.S. Government customers. Currently, 90% of the degrees held by our technical employees are in electrical engineering, mathematics, physics, computer science, or computer engineering. More than 50% of our employees possess advanced degrees, and 55% of our employees have 11+ years of industry and IC experience spanning from concepts and architectures to requirements, system modeling, algorithm development, software design, prototype and operational system development, worldwide deployment, and lifecycle support.

RRC's offices have more than 100,000 square feet of combined SCIF space. Our development environment includes multiple digital signal processing laboratories, collection antennas, mobile data acquisition capabilities, high-performance computing, and classified network connectivity enabling communications with a diverse customer set.